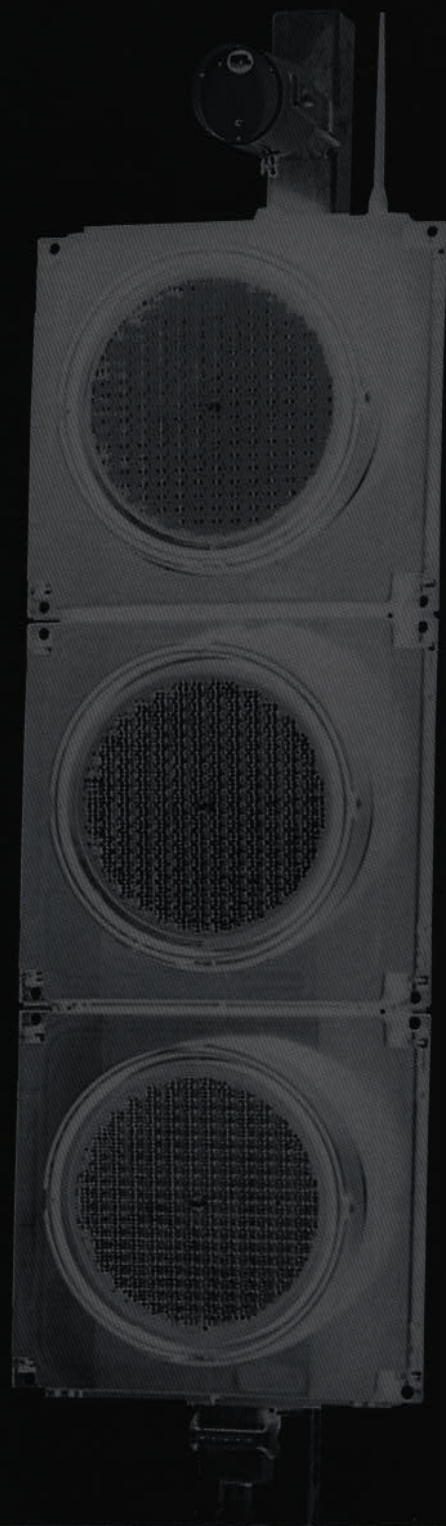


SYSTEM INFORMATION

SRL
traffic systems

performance through technology





Performance through technology : commitment through innovation

SRL Traffic Systems Ltd manufacture **Radiolight®**, **Cablelight®**, **Quartzlight®**, **Eurolight®** and **Pedlight®**.

SRL have gained over 30 years experience in battery powered, radio and cable linked portable traffic lights throughout the world. As a purchaser or user of **SRL** traffic lights, you can be sure that **SRL** have provided you with the best products available together with the highest quality component parts and after-sales service to match.

Radiolight® represents the single biggest change to the portable traffic light industry since its inception. **SRL** are at the forefront of innovation and technology. We are dedicated to providing purchasers and users of portable traffic lights with low cost, low maintenance profitable equipment.

Quality, reliability, efficiency and excellence are the standards to which **SRL** adhere.

Radiolight® is the flagship product in the **SRL** range – it won't let you down.

SRL is the name in battery powered, portable traffic lights.

Distributed directly to our customers from centrally located premises in Cheshire, **SRL** are the premier UK supplier of battery powered radio linked traffic lights to the plant hire and construction industries.

Quick to assemble, simple to operate, and easy to manoeuvre, **Radiolight®**, **Cablelight®** and **Eurolight®** are the most recognisable of all portable traffic lights.

With no generators, no noise, no diesel, no oil changes and no servicing to worry about, **SRL** traffic lights are the most cost-effective system in the UK for hirers and contractors.

The UK's most environmentally friendly traffic lights ever, **SRL** traffic lights contribute to your ISO 9000 requirements and help reduce millions of litres of diesel fumes polluting our atmosphere each year.

SRL Traffic Systems Ltd have complete Highways Agency 'type approval' to all necessary UK and European specifications and standards. With the capability of operating 2-way up to 8-way and a list of options from battery terminals to LEDs to choose from, **SRL** can provide a one-stop total solution to all your traffic management requirements.



Radio linked, battery powered, portable traffic lights. Guaranteed 500m operating distance between signal heads. Easy to use, simple to operate. Quick to set-up and take-down. 2-way, 3-way and 4-way capability, Fixed Time or Vehicle Actuated.

The most popular system in the SRL product range.

Standard Features

- Master & slave controllers
- 2-way operation
- Conforms to Highways Agency specification TR 0111 and TR 2502 (special approval)
- Easy-use controller
- Lockable weatherproof controllers (IP55 rated)
- Red light safety system
- 32 channel radio frequencies
- Guaranteed 500m between signals
- Peek Elite signal heads
- Modular signal head design
- Halogen lamp signals
- Radar detectors with 150sec nudge
- Yellow painted signal head posts
- Yellow painted battery boxes
- Detachable handle
- Detachable signal head / post
- Easy-use hinged battery box lid with handle
- Easy-use locking system
- Wind-proof lid security system
- Laminated easy-guide full colour operator labels
- Laminated hazard warning labels
- Non-puncture pneumatic roller bearing wheels
- Snap-on battery terminal clamps

Options

- Red light monitoring
- LED signal heads
- Galvanised signal head posts
- Galvanised battery boxes
- Split-down signal cables
- Non-spark battery protection
- Detector nudge on / off switch
- Split / hinged posts

Bolt-ons

- Multiphase capability (2/3/4-way)
- Remote control
- Text message alert
- Eurolight capability (2/3/4/5/6/7/8-way)
- Pedlight pedestrian crossing

Functions

- 2-way, 3-way, 4-way
- Clock / counter
- Fixed time
- Vehicle detection
- Time settings up to 99sec
- Automatic / manual operation
- All-red functionality
- Battery voltage indicator

Operating times (@ 24hrs use)

	1 x Battery	2 x Batteries	3 x Batteries
Halogen	1½ - 2 days	3 - 4 days	4½ - 6 days
LED	4 - 5 days	8 - 10 days	12 - 15 days





Radio link

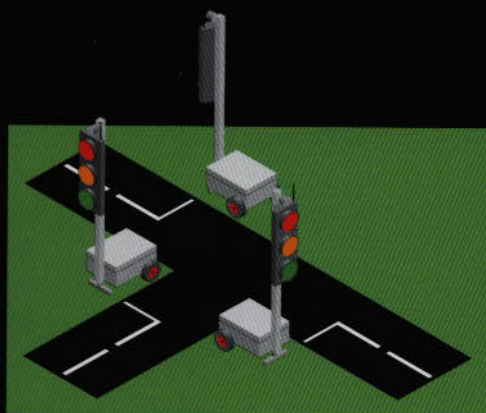
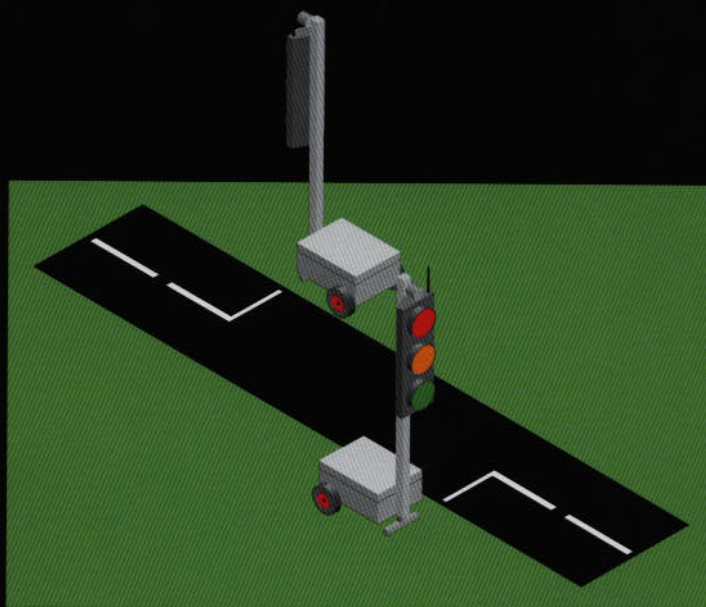


layouts

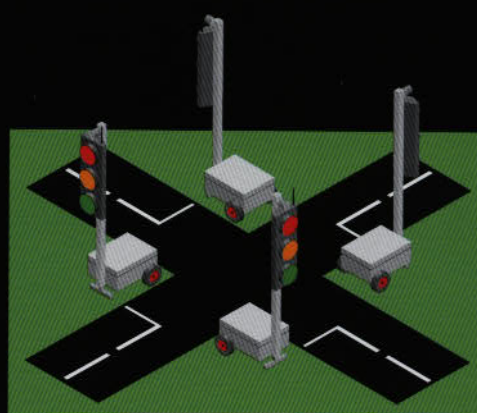
2-way, 3-way, 4-way

2-way

Standard 2-way programme
for Radiolight®, Eurolight®
and Cablelight®.



3-way



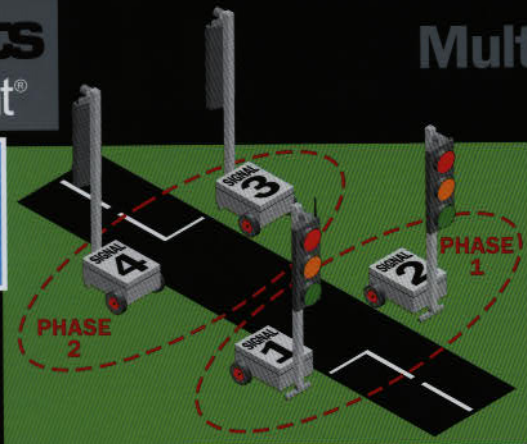
4-way

Additional Multiphase programmes for Radiolight®, Eurolight® and Cablelight®.

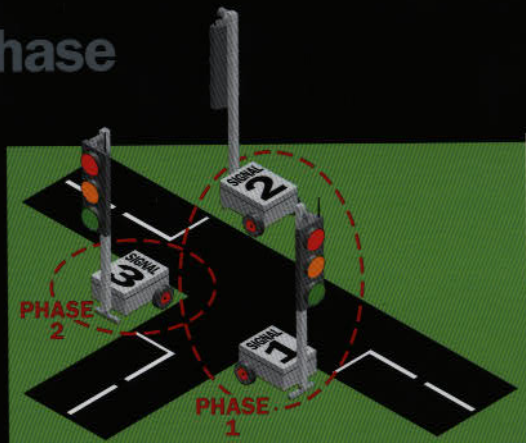


Multiphase

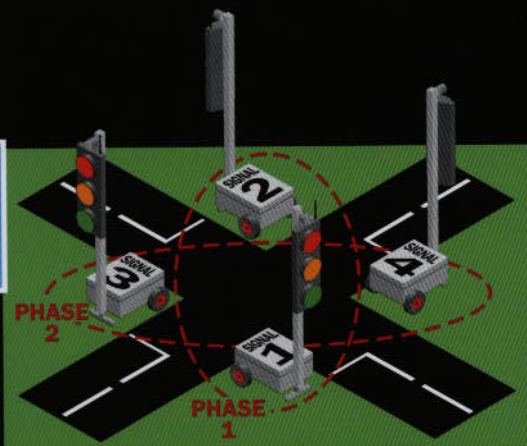
2-Phase,
One Lane,
Double
Head



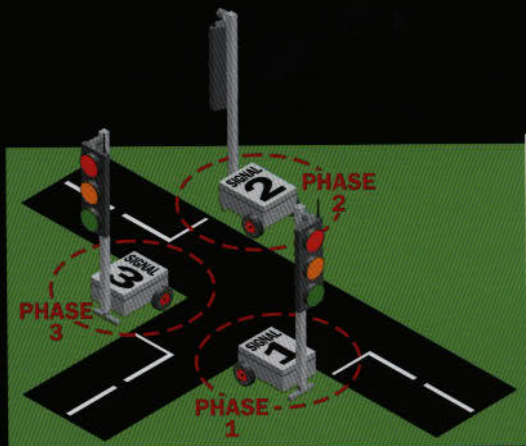
2-Phase,
One Lane,
with One
Junction



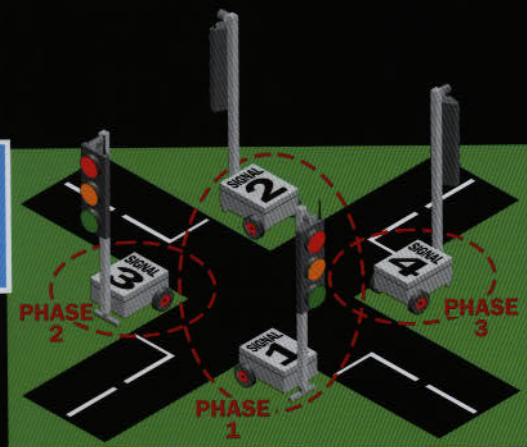
2-Phase,
Cross
Roads,
(Parallel)



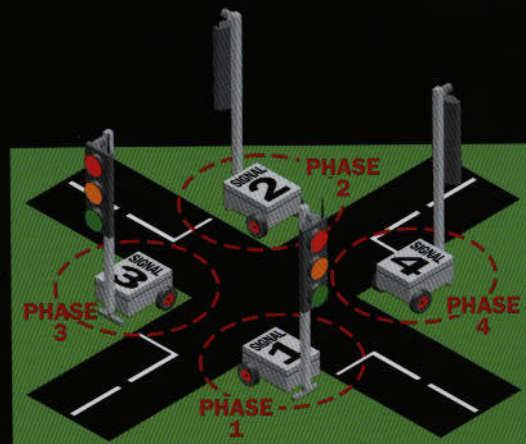
3-Phase,
Junction,
(Rotating)



3-Phase,
One Lane,
with Two
Junctions



4-Phase,
Cross
Roads,
(Rotating)



options detectors

SRL can supply a comprehensive range of Radar Detectors, some specifically designed for the SRL product range.

In certain site applications, the standard detector features are not enough, and often are a hindrance.

SRL produce a detector to provide the operator with the extra features that may prove useful in many traffic management situations.

Standard AGD Detector features include:

- 12 volt operating voltage
- Detection range of 5m to 40m
- Detection speed of 3.6Kph +
- Nudge facility set at 150sec
- Indicator light on rear of detector
- Uni-directional (approach only)

Standard SRL Detector features include:

- 12 volt operating voltage
- Detection range of 5m to 40m
- Detection speed of 3.6Kph +
- Nudge facility set at 150sec
- Indicator light on rear of detector
- Indicator light on front of detector
- Nudge "on / off" switch for specialist applications
- Uni-directional (approach only)

Optional features for SRL Detector:

- Bi-directional (approach and departure)
- Detection speed of 8Kph +
- Low sensitivity
- Timer



design & build safety

All Radiolight®, Cablelight®, Eurolight® and Pedlight® traffic light systems can have the following safety features installed at build:

Red Light Monitoring

- The ultimate safety feature during operation
- Protecting motorists, pedestrians, operators/contractors
- Instant RED LIGHT monitoring
- Green → Red in 1/2 second should any other RED light fail

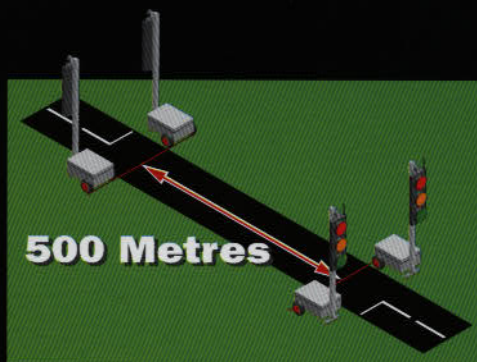
Red Light Safety

- The most important safety feature during set-up
- Protecting the operators/contractors
- Instant RED LIGHT illumination upon arrival at site
- Red light in 1/2 second

What can you do in 1/2 second !!

Guaranteed Operating Distance of 500m (Radio)

- SRL are the only manufacturer to GUARANTEE a radio operating distance of 500metres between signal heads on Radiolight® and Eurolight® systems.
- Each system is tested at 1.8km distance before delivery to the customer.
- Buildings, trees, bridges, or bends in the road have no effect on the radio performance.
- A safe working environment is guaranteed when **SRL Traffic Systems** are controlling the traffic.



500 metres distance between
signal heads guaranteed.



design & build

safety & security

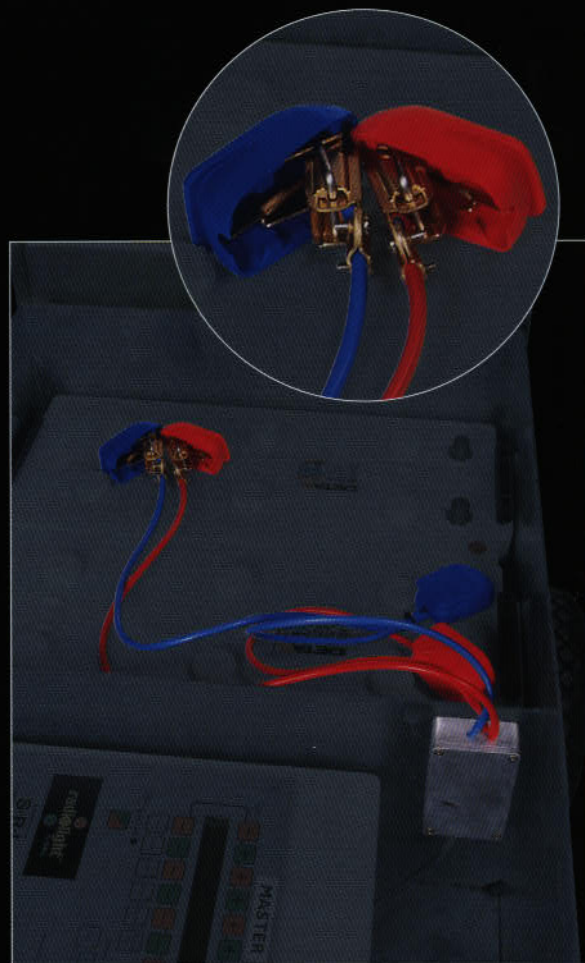
All SRL traffic light systems have been designed and built with Health & Safety in mind.

All systems are supplied with the following design features as standard:

- Unique individual customer security code
- Wind tunnel testing to withstand forces of 100km/h
- Axle placement to ensure easy manoeuvrability
- Axle placement to provide near-perfect 50:50 balance during manoeuvre
- Non-puncture pneumatic tyres 75mm wide for extra stability
- Lower height signal heads at 1.63m to centre of Amber
- Full colour laminated operator labels on each system
- Full colour laminated hazard labels for battery lift and corrosive material
- Controller positioning to provide operator safety away from vehicles
- Wind-proof hinged lid security system with handle
- Double diameter metalwork at battery box base provides extra strength
- Shallow gradient trailer ramps for ease of loading / unloading
- Trailer security bar and clamps to lock signal heads in place during transport
- Snap-on / snap-off battery terminal clamps
- Extra protection sleeve on all battery power leads
- Full EMC accreditation (Siemens test laboratory)
- Full environmental accreditation (Siemens test laboratory)
- Full Highways Agency and European conformity to EN12368, TR 0111, TR 2504, TR 2503, TR 2502 (Equivalent) and Special Approvals.

Non-spark battery
protection Diode Box
– provides complete
operator safety

Snap-on, snap-off battery
terminal clamps



accessories

trailers

SRL supply a full and comprehensive range of purpose built road trailers specifically designed for the SRL product range. Each design is copyrighted to SRL.

"2-way Trailer"

Purpose designed® high speed galvanised road trailers



Back door ramp



Unbraked – Single Axle – Security Bar and Clamps – Galvanised Construction
Kerb Weight of 195kg – Laden Weight of 559kg – Extended Back-door Ramps
Prop Stands – Jockey Wheel – Ball Hitch or Eye – Transports up to 2 Signals



Security bar



Eye Hitch

or



Ball Hitch

Overall Dimensions of 2-Way Trailer

136cm (+ 98cm A-Frame)	Long
194cm (Including Wheel Arches)	Wide
183cm (To Top of Ramps)	High



technical data

Controller

- Master & Slave
- 2-way operation
- Lockable
- Visible control panel
- Easy-use controller
- IP55 weather-proof rated
- Drop & shock resistant mounts
- 32 channel radio frequencies
- Radio frequencies 458.50-458.95 MHz
- Radio power 500 mW
- Guaranteed 500m between signals
- Conforms to Highways Agency specification TR 0111 and TR 2502 (special approval)
- Red light safety system

Signal Head (Traffic)

- Peek Elite, 3-Aspect design
- 12v 50w halogen lamp
- Anti-phantom lenses
- Hoods / covers not required
- Conforms to Highways Agency specification EN12368
- Modular signal head design

Signal Head (Pedpost)

- Peek Elite, 2-Aspect design (red-man, green-man)
- 12v 50w halogen lamp
- Anti-phantom lenses
- Hoods / covers not required
- Push-button 12v. Illuminated & audible
- Conforms to Highways Agency specification TR 2181B
- Modular signal head design
- Integrated wiring lead
- Integrated locking mechanism

Metalwork

- Spray painted yellow boxes
- Spray painted yellow signal head posts
- Detachable signal head / post
- Detachable handle, galvanised
- Easy-use hinged battery box lid with handle
- Wind-proof lid security system
- Non-puncture pneumatic roller bearing wheels
- Easy-use locking system
- Laminated easy-guide full colour operator labels
- Laminated hazard warning labels

Detectors

- Highways Agency approved to TR 2504
- 12v radar
- 150 sec. nudge
- Uni-directional, approach
- 5m - 40m detection zone
- 3.6Kph + detection speed

System Functions

- 2-way to 8-way
- Clock / counter
- Fixed time
- Vehicle detection (excluding Quartzlight)
- Automatic / manual operation
- All-red functionality
- Battery voltage indicator
- Time settings up to 99sec

Batteries

- 12v 180a/h Deta
- Traction or semi-traction
- Grab handles
- Snap-on terminal clamps

Options

- LED signal heads
- Galvanised signal head posts
- Galvanised battery boxes
- Split-down signal cables
- Non-spark battery protection Diode boxes
- Detector nudge on / off switch
- Red light monitoring
- Split / hinged signal post

Bolt-Ons

- Remote control
- Text message alert
- Multiphase capability (2/3/4-way)
- Pedlight pedestrian crossing
- Eurolight capability (2/3/4/5/6/7/8-way)

Principal Operating Times (@ 24hrs)

	Halogen	LED
• 1 x battery	1½ - 2 days	5 - 6 days
• 2 x batteries	3 - 4 days	10 - 12 days
• 3 x batteries	4½ - 6 days	15 - 18 days

Principal Dimensions

- Battery box small (L/W/D) 76cm x 72cm x 45cm overall
- **Battery box medium (L/W/D) 99cm x 72cm x 45cm overall**
- Battery box large (L/W/D) 122cm x 72cm x 45cm overall
- Signal head / post (traffic) (L/W/D) 218cm x 36cm x 32cm overall
- Signal head / post (Pedpost) (L/W/D) 265cm x 48cm x 32cm overall
- Assembled system height (traffic) 163cm to middle of amber
- Assembled system height (traffic) 232cm overall
- Assembled system height (Pedpost) 120cm to push-button
- Assembled system height (Pedpost) 280cm overall

Principal Weights

- Signal head post (traffic) c/w signal head & detector 24.0 kg
- Signal head post (Pedpost) c/w signal head & push-button 24.0 kg
- Handle 2.0 kg
- Charger 7.5 kg
- Battery box (medium) c/w wheels and controller (exc. batteries) 60.0 kg
- Battery 48.0 kg
- Complete unit inc 2 x 12v 180a/h batteries 182.0 kg
- Complete 2-way system inc 4 x 12v 180a/h batteries 364.0 kg

Principal Data (Controller)

- Operating voltage: 10.50 - 14.00v DC
- Nominal consumption: 10 Watts

Principal Data (Optics)

- Nominal voltage: 10.18v - 14.50v
- Nominal consumption: 20 Watts
- Luminous intensity: Class 3:2 400 - 2500 cd
- Angular distribution: Table 4, medium wide beam
- Luminous uniformity: 1:10

